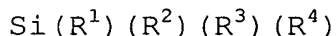


**PATENT**

**REINFORCEMENT YARNS AND COMPOSITES  
RESISTANT IN A CORROSIVE MEDIUM**

**ABSTRACT**

The present invention relates to reinforcement yarns coated with a sizing composition comprising at least one silane satisfying the formula:



in which:

- $\text{R}^1$ ,  $\text{R}^2$  and  $\text{R}^3$  are chosen from the following atoms or groups:

$-\text{H}$  (except in the case of  $\text{R}^3$ ),  $-\text{Cl}$ ,  $-\text{O}-\text{R}^5$ ,  $-\text{O}-\text{R}^6-\text{O}-\text{R}^5$ ,  $-\text{O}-(\text{C}=\text{O})-\text{R}^5$ ,  $-\text{O}-\text{R}^6-(\text{C}=\text{O})-\text{R}^5$ ,  $\text{R}^5$  and  $\text{R}^6$  being chosen from hydrocarbon radicals whose main chain has from 1 to 4 carbon atoms;

- $\text{R}^4 = -\text{R}^7-\text{NHR}^8$ ,  $\text{R}^7$  being chosen from branched hydrocarbon radicals whose main chain has from 2 to 6 carbon atoms,  $\text{R}^8$  being chosen from the following groups:

$-\text{H}$ ,  $-\text{R}^9-\text{NH}_2$ ,  $-\text{R}^{10}-\text{NH}-\text{R}^9-\text{NH}_2$ ,  $\text{R}^9$  being chosen from hydrocarbon radicals containing 1 to 12 carbon atoms or from carbonyls, and  $\text{R}^{10}$  being chosen from hydrocarbon radicals whose main chain has from 1 to 6 carbon atoms.

The glass yarns according to the invention are particularly suitable for reinforcing organic materials, the yarns and composites obtained resisting in a corrosive medium.